

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 1017591334E  
Source: IFWO  
Date Processed by STIC: 2/27/07

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 02/27/2007

PATENT APPLICATION: US/10/759,334E

TIME: 10:49:46

Input Set : A:\Pruitt Sequence Listing.txt

Output Set: N:\CRF4\02272007\J759334E.raw

3 &lt;110&gt; APPLICANT: Pruitt, Steven C.

5 <120> TITLE OF INVENTION: Method for Comprehensive Identification of Cell Lineage  
Specific Genes

7 &lt;130&gt; FILE REFERENCE: 03551.0124

9 &lt;140&gt; CURRENT APPLICATION NUMBER: 10/759,334E

10 &lt;141&gt; CURRENT FILING DATE: 2004-01-16

12 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/440,510

13 &lt;151&gt; PRIOR FILING DATE: 2003-01-16

15 &lt;160&gt; NUMBER OF SEQ ID NOS: 45

17 &lt;210&gt; SEQ ID NO: 1

18 &lt;211&gt; LENGTH: 151

19 &lt;212&gt; TYPE: DNA

20 &lt;213&gt; ORGANISM: artificial sequence

22 &lt;220&gt; FEATURE:

23 &lt;221&gt; NAME/KEY: unsure

24 &lt;222&gt; LOCATION: 19-32, 51-64, 83-96, 103-116, 147-151

25 &lt;223&gt; OTHER INFORMATION: ligated string of sequence tags example; n is a,t,g or c

27 &lt;400&gt; SEQUENCE: 1

W--> 29 tctagacagt ctggagagnn nnnnnnnnnn nntctagaca gtctggagag 50  
 30 nnnnnnnnnn nnnntctaga cagtctggag agnnnnnnnn nnnnnntcta 100  
 31 gannnnnnnn nnnnnnctct ccagactgtc tagacagtct ggagagnnnn 150  
 32 n 151

34 &lt;210&gt; SEQ ID NO: 2

35 &lt;211&gt; LENGTH: 18

36 &lt;212&gt; TYPE: DNA

37 &lt;213&gt; ORGANISM: artificial sequence

39 &lt;220&gt; FEATURE:

40 &lt;223&gt; OTHER INFORMATION: PCR Primer

42 &lt;400&gt; SEQUENCE: 2

43 ccgcttttct ggattcat 18

45 &lt;210&gt; SEQ ID NO: 3

46 &lt;211&gt; LENGTH: 21

47 &lt;212&gt; TYPE: DNA

48 &lt;213&gt; ORGANISM: artificial sequence

50 &lt;220&gt; FEATURE:

51 &lt;223&gt; OTHER INFORMATION: MAGE Universal Adapter

53 &lt;400&gt; SEQUENCE: 3

54 tctagaggac tgcgtggcg a 21

56 &lt;210&gt; SEQ ID NO: 4

57 &lt;211&gt; LENGTH: 25

58 &lt;212&gt; TYPE: DNA

59 &lt;213&gt; ORGANISM: artificial sequence

61 &lt;220&gt; FEATURE:

62 &lt;221&gt; NAME/KEY: unsure

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63 <222> LOCATION: 24,25  
64 <223> OTHER INFORMATION: MAGE Universal Adapter; n is a,t,g or c  
66 <400> SEQUENCE: 4  
W--> 67 cctcgccac gcagtcctct agann 25  
69 <210> SEQ ID NO: 5  
70 <211> LENGTH: 19  
71 <212> TYPE: DNA  
72 <213> ORGANISM: artificial sequence  
74 <220> FEATURE:  
75 <223> OTHER INFORMATION: MAGE PCR Primer  
77 <400> SEQUENCE: 5  
78 cctcgccac gcagtcctc 19  
80 <210> SEQ ID NO: 6  
81 <211> LENGTH: 18  
82 <212> TYPE: DNA  
83 <213> ORGANISM: artificial sequence  
85 <220> FEATURE:  
86 <223> OTHER INFORMATION: MAGE PCR Primer  
88 <400> SEQUENCE: 6  
89 cggctgggtg tggcggac 18  
91 <210> SEQ ID NO: 7  
92 <211> LENGTH: 16  
93 <212> TYPE: DNA  
94 <213> ORGANISM: Mus musculus  
96 <400> SEQUENCE: 7  
97 ggcgacacgc gcacct 16  
99 <210> SEQ ID NO: 8  
100 <211> LENGTH: 16  
101 <212> TYPE: DNA  
102 <213> ORGANISM: Mus musculus  
104 <400> SEQUENCE: 8  
105 agggaggaga tgtagt 16  
107 <210> SEQ ID NO: 9  
108 <211> LENGTH: 16  
109 <212> TYPE: DNA  
110 <213> ORGANISM: Mus musculus  
112 <400> SEQUENCE: 9  
113 actacatctc ctccct 16  
115 <210> SEQ ID NO: 10  
116 <211> LENGTH: 16  
117 <212> TYPE: DNA  
118 <213> ORGANISM: Mus musculus  
120 <400> SEQUENCE: 10  
121 gggttgtctt cactct 16  
123 <210> SEQ ID NO: 11  
124 <211> LENGTH: 16  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Mus musculus  
128 <400> SEQUENCE: 11

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Input Set : A:\Pruitt Sequence Listing.txt

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129 cccaggatgt atagct 16  
131 <210> SEQ ID NO: 12  
132 <211> LENGTH: 16  
133 <212> TYPE: DNA  
134 <213> ORGANISM: Mus musculus  
136 <400> SEQUENCE: 12  
137 agtctggaaa cctgtc 16  
139 <210> SEQ ID NO: 13  
140 <211> LENGTH: 16  
141 <212> TYPE: DNA  
142 <213> ORGANISM: Mus musculus  
144 <400> SEQUENCE: 13  
145 actacatctc ctacct 16  
147 <210> SEQ ID NO: 14  
148 <211> LENGTH: 16  
149 <212> TYPE: DNA  
150 <213> ORGANISM: Mus musculus  
152 <400> SEQUENCE: 14  
153 aggtaagtgc tgctgc 16  
155 <210> SEQ ID NO: 15  
156 <211> LENGTH: 16  
157 <212> TYPE: DNA  
158 <213> ORGANISM: Mus musculus  
160 <400> SEQUENCE: 15  
161 aggtaagtac aagctg 16  
163 <210> SEQ ID NO: 16  
164 <211> LENGTH: 16  
165 <212> TYPE: DNA  
166 <213> ORGANISM: Mus musculus  
168 <400> SEQUENCE: 16  
169 acctcagttg attcct 16  
171 <210> SEQ ID NO: 17  
172 <211> LENGTH: 16  
173 <212> TYPE: DNA  
174 <213> ORGANISM: Mus musculus  
176 <400> SEQUENCE: 17  
177 agctttgaat tcatga 16  
179 <210> SEQ ID NO: 18  
180 <211> LENGTH: 16  
181 <212> TYPE: DNA  
182 <213> ORGANISM: Mus musculus  
184 <400> SEQUENCE: 18  
185 tttctcaggg tagcct 16  
187 <210> SEQ ID NO: 19  
188 <211> LENGTH: 16  
189 <212> TYPE: DNA  
190 <213> ORGANISM: Mus musculus  
192 <400> SEQUENCE: 19  
193 tccgctcaat gtacct 16

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Input Set : A:\Pruitt Sequence Listing.txt

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195 <210> SEQ ID NO: 20  
196 <211> LENGTH: 16  
197 <212> TYPE: DNA  
198 <213> ORGANISM: Mus musculus  
200 <400> SEQUENCE: 20  
201 agggttggac tcaagg 16  
203 <210> SEQ ID NO: 21  
204 <211> LENGTH: 16  
205 <212> TYPE: DNA  
206 <213> ORGANISM: Mus musculus  
208 <400> SEQUENCE: 21  
209 actacatctc ctccgt 16  
211 <210> SEQ ID NO: 22  
212 <211> LENGTH: 16  
213 <212> TYPE: DNA  
214 <213> ORGANISM: Mus musculus  
216 <400> SEQUENCE: 22  
217 cacgggggcg gaggct 16  
219 <210> SEQ ID NO: 23  
220 <211> LENGTH: 16  
221 <212> TYPE: DNA  
222 <213> ORGANISM: Mus musculus  
224 <400> SEQUENCE: 23  
225 aggtaaccct gtgctg 16  
227 <210> SEQ ID NO: 24  
228 <211> LENGTH: 16  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Mus musculus  
232 <400> SEQUENCE: 24  
233 aggtagacta cttgtg 16  
235 <210> SEQ ID NO: 25  
236 <211> LENGTH: 16  
237 <212> TYPE: DNA  
238 <213> ORGANISM: Mus musculus  
240 <400> SEQUENCE: 25  
241 cgccatcgct ctagct 16  
243 <210> SEQ ID NO: 26  
244 <211> LENGTH: 16  
245 <212> TYPE: DNA  
246 <213> ORGANISM: Mus musculus  
248 <400> SEQUENCE: 26  
249 aggctcatca gctgac 16  
251 <210> SEQ ID NO: 27  
252 <211> LENGTH: 16  
253 <212> TYPE: DNA  
254 <213> ORGANISM: Mus musculus  
256 <400> SEQUENCE: 27  
257 aggtgtggat ccagag 16  
259 <210> SEQ ID NO: 28

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260 <211> LENGTH: 16  
261 <212> TYPE: DNA  
262 <213> ORGANISM: Mus musculus  
264 <400> SEQUENCE: 28  
265 aggttaggtct cgatct 16  
267 <210> SEQ ID NO: 29  
268 <211> LENGTH: 16  
269 <212> TYPE: DNA  
270 <213> ORGANISM: Mus musculus  
272 <400> SEQUENCE: 29  
273 agaatacgat acccag 16  
275 <210> SEQ ID NO: 30  
276 <211> LENGTH: 16  
277 <212> TYPE: DNA  
278 <213> ORGANISM: Mus musculus  
280 <400> SEQUENCE: 30  
281 agggcatttc tattac 16  
283 <210> SEQ ID NO: 31  
284 <211> LENGTH: 16  
285 <212> TYPE: DNA  
286 <213> ORGANISM: Mus musculus  
288 <400> SEQUENCE: 31  
289 agctaatacac caaagc 16  
291 <210> SEQ ID NO: 32  
292 <211> LENGTH: 16  
293 <212> TYPE: DNA  
294 <213> ORGANISM: Mus musculus  
296 <400> SEQUENCE: 32  
297 aggatccact gtttac 16  
299 <210> SEQ ID NO: 33  
300 <211> LENGTH: 16  
301 <212> TYPE: DNA  
302 <213> ORGANISM: Mus musculus  
304 <400> SEQUENCE: 33  
305 aggtcctgcc tcagca 16  
307 <210> SEQ ID NO: 34  
308 <211> LENGTH: 16  
309 <212> TYPE: DNA  
310 <213> ORGANISM: Mus musculus  
312 <400> SEQUENCE: 34  
313 aggtcctgcc tcagca 16  
315 <210> SEQ ID NO: 35  
316 <211> LENGTH: 16  
317 <212> TYPE: DNA  
318 <213> ORGANISM: Mus musculus  
320 <400> SEQUENCE: 35  
321 aggactgatt gtggtg 16  
323 <210> SEQ ID NO: 36  
324 <211> LENGTH: 16

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/759,334E

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Input Set : A:\Pruitt Sequence Listing.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,51,52,53,54,55,56  
Seq#:1; N Pos. 57,58,59,60,61,62,63,64,83,84,85,86,87,88,89,90,91,92,93,94  
Seq#:1; N Pos. 95,96,103,104,105,106,107,108,109,110,111,112,113,114,115  
Seq#:1; N Pos. 116,147,148,149,150,151  
Seq#:4; N Pos. 24,25  
Seq#:40; N Pos. 13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29  
Seq#:41; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17  
Seq#:42; N Pos. 13,14,15,16,17,18,19,20,21,22,23,24,25,26  
Seq#:43; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12  
Seq#:44; N Pos. 13,14,15,16,17,18,19,20,21,22,23,24,25,26  
Seq#:45; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14

VERIFICATION SUMMARY

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Input Set : A:\Pruitt Sequence Listing.txt

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L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0